

# MINISTRY OF EDUCATION, HERITAGE AND ARTS

## YEAR 11 BIOLOGY

### REVISION WORKSHEET 10

Write the answers to the following questions in your exercise/activity books.

#### VALUE OF PLANTS

##### 1. Medicinal

Using 150 words, select any **three** medicinal plants and write on the following points about these three plants. You may seek advice and information from members of your family.

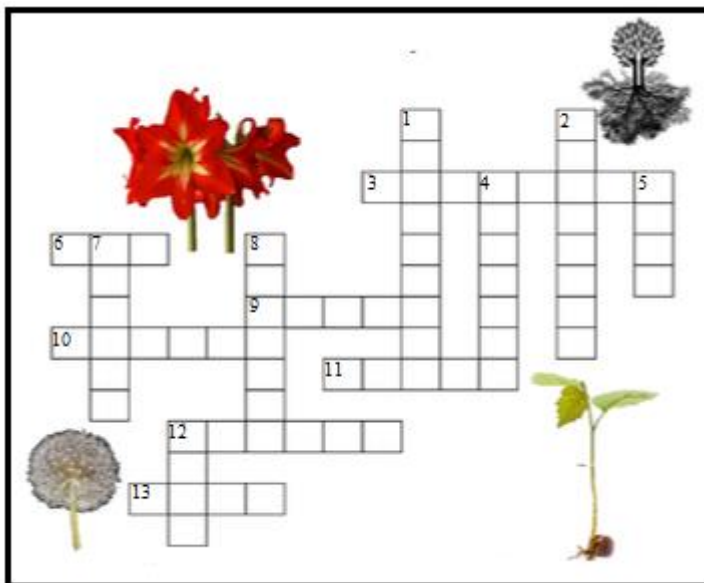
- Name of the plant – English, vernacular (I-taukei, Hindi Rotuman) and description of the plant (whether it is a creeper plant, tree, large leaves, etc)
- Habitat of the plant – describe where this plant grows
- Use – what sickness or condition does this plant treat
- Preparation of medicine – which part of plant is used and how is it prepared for use as a medicinal plant, indicate how the medicine is taken and how often
- Any other interesting information about the plant.

##### 2. Ornamental

Using 100 words, select any **two** ornamental flowering plants and write on the following points about these two plants. You may seek advice and information from members of your family.

- Name of the plant – English, vernacular (I-taukei, Hindi Rotuman) and description of the plant (whether it is a creeper plant, tree, large leaves, etc)
- Habitat of the plant – describe where this plant grows
- Use – how is the plants decorative feature used (eg. bouquets, pot-plant, wreaths)
- Any other interesting information about the plant.

##### 3. General Plant Structure Crossword – Revision



#### WORDLIST

anther cambium cap filament guardcell leaf vascular  
ovule phloem root stamen stem stomata xylem

#### Across

- The .... bundle is a strand of conducting vessels in the stem or leaves
- The root .... protects the growing tip
- Female sex cell
- Living tissue which carries food substances from the stems to growing tissues
- Nonliving tissue which carries water and minerals from the roots to the leaves
- Made up of the anther and filament
- The main photosynthetic organ of a plant

#### Down

- Specialised cell which open and close the stomata
- Supports the anther
- Layer of cells in a plant that produces new phloem and xylem cells
- Absorbs water and minerals from the ground
- Male part of the flower where pollen are produced via meiosis
- Small openings on the underside of a leaf allowing gases to pass through
- Organ of plants which provide structure and transportation of water and nutrients